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| FORM PTO-1390 MODIFIED | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE | ATTORNEY'S DOCKET NUMBER 4662-274 |
| TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | | U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) 10/590453 Unknown |
| INTERNATIONAL APPLICATION NO. PCT/EP2005/002103 | INTERNATIONAL FILING DATE 24 February 2005 | PRIORITY DATE CLAIMED 27 February 2004 |

TITLE OF INVENTION
ENZYMATIC PREPARATION OF AN ENANTIOMERICALLY ENRICHED BETA-2-AMINO ACIDS

APPLICANT(S) FOR DO/EO/US
KAPTEIN et al

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
 2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
 3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
 4. ☐ The U.S. has been elected (Article 31).
 5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)).
 - a. ☒ is attached hereto (20 pages specification, claims & abstract (13 claims), sheets drawings).
 - b. ☒ has been communicated by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
 6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371(c)(3))
 - a. ☐ is attached hereto (pages specification, claims & abstract (claims), sheets drawings, page Certificate of Translation).
 - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
 7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
 - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
 - b. ☐ have been communicated by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has **NOT** expired.
 - d. ☐ have not been made and will not be made.
 8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
 9. ☐ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
 - b. ☐ Declaration was submitted to the International Bureau during International Phase (see copies of Declaration (page Form PCT/RO/101 and Form PCT/IB/371 and first page of printed publication acknowledging receipt thereof attached).
 10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).
- Items 11 To 20 below concern document(s) or information included:**
11. ☐ An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.
 12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
 13. ☒ A FIRST preliminary amendment.
 14. ☐ A SECOND or SUBSEQUENT preliminary amendment.
 15. ☐ An Application Data Sheet under 37 C.F.R. § 1.76.
 16. ☐ A substitute specification.
 17. ☐ A change of power of attorney and/or address letter.
 18. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.
 19. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
 20. ☒ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
 21. ☒ Other items or information. Front page of published WO 2005/085462

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| U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5) 10/590453 | | INTERNATIONAL APPLICATION NO. PCT/EP2005/002103 | | ATTORNEY'S DOCKET NUMBER 4662-274 | |
| <input checked="" type="checkbox"/> The following fees are submitted: | | | | | |
| BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5): | | | | | |
| 21. | <input checked="" type="checkbox"/> Basic national fee | \$300.00 (1631)/\$150.00 (2631) | \$ | 300.00 | |
| 22. | <input checked="" type="checkbox"/> Examination Fee | \$0 (1643/2643) | \$ | 200.00 | |
| 23. | <input checked="" type="checkbox"/> Search Fee | \$0 (1640/2640) | | | |
| | | \$100 (1641)/\$50 (2641) | | | |
| | | \$400 (1642)/\$200 (2642) | | | |
| | | \$500.00 (1632)/\$250.00 (2632) | \$ | 400.00 | |
| TOTAL OF ABOVE CALCULATIONS | | | \$ | 900.00 | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | RATE | | |
| 0 -100 | 0 | /50 = 0.00 | \$0.00 (1681) | | |
| | | | \$0.00 (2681) | | |
| Surcharge of \$130.00 (1617)/\$65.00 (2617) for furnishing the oath or declaration later than <input checked="" type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)). | | | | \$ | 130.00 |
| CLAIMS | NUMBER FILED | # EXTRA | RATE | | |
| Total Claims | 13 | minus 20 = 0 X | \$50.00 (1615)/ | \$25.00 (2615) | \$ |
| Independent Claims | 2 | minus 3 = 0 X | \$200.00 (1614) | \$100.00 (2614) | \$ |
| MULTIPLE DEPENDENT CLAIMS(S) (if applicable) | | | \$360.00 (1616)/\$180.00 (2616) | | \$ 0.00 |
| Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three Month Extensions \$1020.00 (1253)/\$510.00 (2253); Four Month Extensions \$1590.00 (1254)/\$795.00 (2254) | | | | \$ | 0.00 |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. | | | | | |
| Processing fee of \$130.00 (1618), for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)). | | | | | 0.00 |
| TOTAL NATIONAL FEE = | | | | \$ | 1030.00 |
| Fee for recording the enclosed assignment (37 C.F.R. 1.21(h). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property | | | | \$ | 0.00 |
| Fee for Petition to Revive Unintentionally Abandoned Application; \$1500.00 (1453) / \$750.00 (2453) | | | | \$ | 0.00 |
| TOTAL FEES ENCLOSED = | | | | \$ | 1030.00 |
| | | | | Amount to be refunded: | \$ |
| | | | | Amount to be Charged: | \$ |

- a. ☐ A check in the amount of \$1030.00 to cover the above fees is enclosed.
- b. ☐ Please charge my Deposit Account No. 14-1140 in the amount of \$_____ to cover the above fees.
- A duplicate copy of this form is enclosed.

- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 14-1140. A duplicate copy of this form is enclosed. **10/590453**
- d. ☒ **CREDIT CARD PAYMENT FORM ATTACHED.**
- e. ☒ The entire content of International Application No. **PCT/EP2005/002103** and any U.S. and foreign application(s) corresponding thereto, and EP 04075597.7, referred to in this application is/are hereby incorporated by reference in this application.
- NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status.**

CORRESPONDENCE ADDRESS

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for Bryan H. Davidson *Reg No 33363*

NAME

30,251

REGISTRATION NUMBER

August 24, 2006

Date